

US EPA ARCHIVE DOCUMENT

EEE BRANCH REVIEW

DATE: IN _____ OUT _____ IN 1/16/76 OUT 1/27/76 IN _____ OUT _____
FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO. 239-EUG1

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED _____

DATE OF SUBMISSION _____

DATE SUBMISSION ACCEPTED (3)(c)(1)(D) Status = 2-A Yes

TYPE PRODUCT(S): I, D, H, F, N, R, S _____

PRODUCT MGR. NO. 21 (Wilson)

PRODUCT NAME(S) Ortho Rose Disease Control

COMPANY NAME Chevron

SUBMISSION PURPOSE Registration for outdoor use on Roses, Crape Myrtle, Phlox, and Zinnias.

CHEMICAL & FORMULATION Triforine, N,N'-[1,4-piperazinediylbis
(2,2,2-trichloroethylidene)]bisformamide

1. Introduction

1.1 Applicant has supplied data requested in our RL comments of 8/15/75 for the registration of Triforine on roses, phlox, zinnias, and crapemyrtle. This is a 2-A submission and all presented data is drawn from the environmental chemistry section of the EM Laboratory report. It should be noted that the environmental chemistry data reviewed is insufficient for non-domestic type uses.

1.2 Other names for this product are: FMC 28221, Ortho XE 359, Funginex, Triforine, Cela W-524, and CA-TJ0203

1.3 Previous reviews for this use pattern are:

Ortho 8/15/75
EM 1/10/75, 9/4/75, 1/27/76

1.4 This product contains 6.5% Triforine by weight.

2.0 Directions for Use

2.1 Mix 0.5 fl. oz./gallon water, spray to cover all plant surfaces.

Begin spraying when first sign of listed diseases appears in spring. Apply every 7-10 days in spring and fall. Apply every 7-10 days in summer if weather conditions encourage growth and spread of fungi.

Ortho rose disease can be mixed with 150TOX, orthene systemic insect spray, ortho malathion-50, ortho diazinon or ortho liquid sevin.

2.2 The disposal caution on the label: "Do not contaminate water by cleaning of equipment or disposal of waste." is acceptable.

3.0 Discussion of Data

3.1 The previously requested data has been submitted and is discussed following the order in our RL comments 8/15/75. All of this data was also reviewed in the Environmental Chemistry reviews of Triforine (21137-4), 9/4/75, and 1/27/76. Since the 3cld method of support for the petition currently under consideration is 2A only titles and references will be cited.

3.1.1 Soil Degradation of Triforine. (Ref. 1 m-3508)

This information is contained in Ref. 5 of the 12/5/75 data submission. It was reviewed as Section 4.1, 9/4/75 and found acceptable.

3.1.2 Leaching Study. (Ref. 10 M-3595)

This information is contained in Ref. 4 of the 12/5/75 data submission. It was reviewed as Section 4.2, 9/4/75 and found acceptable.

3.1.3 Hydrolysis Study

This information is contained in Ref. 6 of the 12/5/75 data submission. The hydrolysis study at 5°C is included as an unnumbered additional submission. It was reviewed as Section 3.0, 1/22/76 and found acceptable.

3.1.4 Tank Mix Data

The applicant states that this will be handled after Registration.

4. Recommendations

4.1 The data submitted is sufficient to assess the hazard for outdoor domestic use. This use is acceptable. Additional environmental chemistry data may be required for any change in the proposed use pattern involving outdoor uses.

4.2 The previously requested tank mixture data must be submitted.

4.3 Data not submitted under Section 3 of the Regulations is not germane to the proposed uses.

R. E. Ney 2/13/76

R. S. Terkowitz 2/3/76

Ronald E. Ney, Jr. 1/27/76

Ralph S. Terkowitz 1/23/76

Efficacy and Ecological Effects Branch
Environmental Chemistry Review Section

3.1.4 TANK MIX DATA

The ~~applicant~~ applicant STATES that this will be HANDLED AFTER REGISTRATION.

4. RECOMMENDATIONS

4.1 The data submitted is sufficient to assess the hazards for OUTDOOR DOMESTIC USE. This use is ACCEPTABLE. ADDITIONAL ENVIRONMENTAL CHEMISTRY DATA

~~4.2 The toxicity~~ ^{may} ~~will~~ BE REQUIRED for any change in the ^{involving} ~~use~~ ~~4.2 TANK MIX DATA~~ PROPOSED USE PATTERN ~~for~~ ^{involving} ~~use~~ ~~uses~~.

4.2 The PREVIOUSLY REQUESTED TANK MIXTURE DATA MUST BE SUBMITTED. ~~This data to be~~ ~~submitted~~ ~~at~~ ~~the~~ ~~time~~ ~~of~~ ~~registration~~.

4.3. Data not submitted under section 3 of the regulations is not germane to the proposed uses.

Ronald E. Fry, Jr. 1/27/76

Ralph S. Terkowitz 1/23/76

~~for~~ EFFICACY AND ECOLOGICAL EFFECTS BRANCH

ENVIRONMENTAL CHEMISTRY REVIEW SECTION

